

中国叶蟥一新种(竹节虫目:叶蟥科)

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叶蟥,是一类拟态和保护色均十分巧妙的珍稀昆虫。早在公元九世纪,我国唐朝房千里撰写的《投荒杂录》一文中,对该类昆虫已有生动描述和当时人们采捉此虫用作春药的记载。这可能是迄今所知,世界上关于叶蟥形态、习性和利用的最早报道。到十八世纪中叶以后,欧、美学者才开始陆续记述叶蟥。至今,全世界已有30余种。叶蟥绝大多数种类产于亚洲热带潮湿的近海地区。有趣的是,在我国西藏、云南、贵州、广西、海南、广东及江西诸省、自治区,都有其分布。然而,长期以来,关于中国叶蟥的情况,却鲜为人知,实为憾事!本文主要记述我国叶蟥属 *Phyllium* Illiger, 丽叶蟥亚属 *Pulchriphyllium* Griffini 一新种。模式标本存中山大学昆虫研究所。

中华丽叶蟥 *Phyllium* (*Pulchriphyllium*) *sinensis* 新种(图1, 2)

雌虫 黄褐色,腹部多黄绿色;各足胫节、跗节及腹部背、腹面中央棕褐至暗褐色。头扁圆。触角短于头长(34:52),浅棕色,共9节。眼半球形,棕色,着生于头近前端两侧。无单眼,在眼和头顶间有一倒三角形浅凹,头顶较光滑。前胸背板宽舌状,长与宽几相等(42:41)。中胸背板倒梯形,明显长于宽,前缘具光滑隆脊,其中中央稍后凹,中央纵脊较宽,具横皱和瘤突,两侧缘隆脊的前半部有

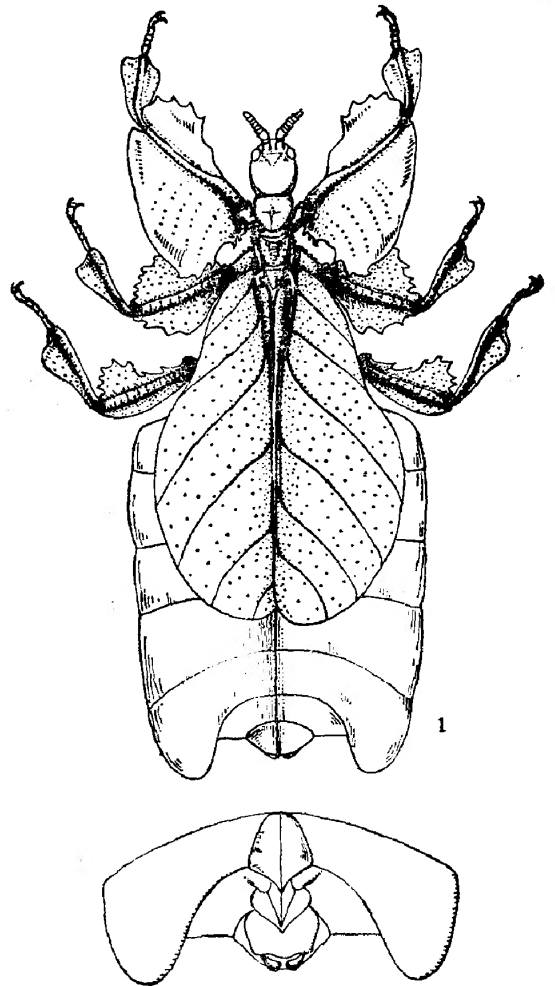


图1—2 中华丽叶蟥 *Phyllium* (*Pulchriphyllium*) *sinensis* sp. nov.

1.雌虫; 2.腹部末端, 腹面观。

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参差不齐的锯齿状突起,在后半部齿突渐弱至不明显。中胸侧板边缘有显著刺突。前翅甚发达,革质,阔叶形,伸达第7腹节中央;后翅退化。前足腿节两侧具发达叶突,其外叶突强烈扩展,亚三角形,显著宽于内叶,其外缘宽弧形,几光滑;其后缘有6个较大齿突。内叶突仅在前腿节基部约1/4以远处突然扩展,其内侧缘波曲,端缘有4个明显钝齿突。前足胫节内、外两侧均有显著叶突,其端部宽,端缘稍凹入。中足腿节叶突近圆形,内叶突边缘约有8个清楚的齿突;其外叶突基半部边缘较光滑,稍斜直;端半部边缘波曲,有3个明显齿突。中足胫节仅外叶突扩展,亚三角形。后足腿节外侧不明显扩展,边缘光滑;其内侧基半部稍扩展,边缘有3个粗齿突,在中央以远突然扩展,几半圆形,边缘有6个明显齿突。后足胫节仅外叶突发达,近三角形,其端缘稍内曲。附节5节。腹部极扁宽,近长方形,由基部至第3腹节渐宽,侧缘几斜直,第4腹节前角钝,第5至第7腹节侧缘近平直。第8腹节后角强烈后伸,其末端宽圆,明显超过腹部末端,其后缘宽弓形,深深向前弯曲。第9腹节侧缘横直,几与身体纵轴垂直,其后缘宽弧形,稍向前凹入。端节亚三角形,末端钝。腹办较短,末端尖,约伸达第9腹节基部1/3;产卵办较窄,伸达第10腹节中央(图2)。

量度(毫米):体长78.0,宽39.0;前胸背板长4.2,宽4.1;中胸背板长4.9,宽3.8;前翅长47.5,宽13.5;前足腿节长13.5,宽15.0;前胫节长7.5,宽4.6;中足腿节长10.1,宽9.5;中胫节长7.0,宽2.7;后足腿节长10.0,宽5.4,后胫节长9.5,宽3.5。

正模♀,海南,尖峰岭天池,780 m. 1983, IX. 3。

本种近似于丽叶蜉 *Phyllium (Purchliphyllium) pulchrifolium* Serville, 1839,但雌虫第8腹节后角强烈后伸,明显超过腹部末端;第9腹节侧缘横直,几与虫体纵轴垂直及产卵器构造均明显不同。

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A NEW SPECIES OF LEAF INSECT FROM CHINA (PHASMATODEA: PHYLLIDAE)

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Phyllium (*Pulchriphyllium*) *sinensis* Liu, sp. nov. (figs. 1—2)

The new species is nearly allied to *Phyllium* (*Pulchriphyllium*) *pulchrifolium* Serville, 1839 from W. Java, but the posterior angle of the 8th tergite being rounded lobe, these lobes much surpassing the apex of the abdomen; lateral margin of the 9th tergite straight, directed about perpendicularly on the median line of the body; and the ovipositor also distinctly different.

Female: General coloration ochraceous, abdomen with some lighter green and darker-brown in the middle. Head somewhat depressed. Antenna is shorter than the head in length (34: 52), composed of 9 joints. Pronotum about as long as broad (42: 41). Mesonotum with a distinct median ridge, granulosa and rugose. Elytra very large, foliaceous, reaching beyond the middle of 7th abdominal segment. Wings obliterated. The abdomen strongly foliaceously dilated, subrectangular. The lateral margin of 8th tergite rounded, posterior margin deeply curved inward, forming in this way on each side a rounded lobe, these lobes much surpassing the apex of abdomen. Lateral margin of the 9th tergite straight. The 10th tergite subtriangular, apex rounded. The operculum extending nearly to the one third at the base of the 9th tergite. The cercus depressed, spatulate, apex surpassing a little the apex of the 10th tergite. Legs somewhat short, anterior tibiae lobate on both sides.

Male: unknown.

Measurements (in mm.): Length of body 78, width 39; pronotum length 4.2, width 4.1; mesonotum length 4.9, width 3.8; elytra length 47.5, width 13.5; anterior femora length 13.5, width 15; anterior tibiae length 7.5, width 4.6; median femora length 10.1, width 9.5; median tibiae length 7.0, width 2.7; posterior femora length 10.0, width 5.4; posterior tibiae length 9.5, width 3.5.

Holotype ♀: Hainan Province, 780 m. 3. IX. 1983. (kept in the Institute of Entomology, Zhongshan University).